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Susan J. Mack

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August 27, 2002

Ms. Marietta Joyce
U.S. Patent and Trademark Office
CERTIFICATES OF CORRECTION BRANCH

Re: U.S. Patent Application No.: 08/860,377
U.S. Patent No. 6,017,927
Inventor: Mokoto TAKEUCHI, et al.
Assignee: YAMANOUCHI PHARMACEUTICAL CO., LTD.
Request for Substitute Certificate of Correction
Our Ref: Q45752

Dear Ms. Joyce:

Attached is a Substitute Certificate of Correction that should replace the Certificate of Correction filed May 21, 2002, which has an error.

Very truly yours,

A handwritten signature in cursive script that reads 'Susan J. Mack'.

Susan J. Mack

SJM:db
Attachment

CERTIFICATE
AUG 27 2002
OF CORRECTION

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

TAKEUCHI, Makoto, et al.

Appln. Serial No.: 08/860,377

Confirmation No.: Unknown

Patent No.: 6,017,927

Filed: August 28, 1997

Issue Date: January 25, 2000

For: NOVEL QUINUCLIDINE DERIVATIVES AND MEDICINAL COMPOSITION
THEREOF

REQUEST FOR SUBSTITUTE CERTIFICATE OF CORRECTION

Commissioner for Patents
Washington, D.C. 20231

Sir:

Pursuant to the provisions of 37 C.F.R. § 1.323, please enter the attached Substitute Certificate of Correction in place of the Certificate of Correction filed May 21, 2002. The difference between the Substitute Certificate of Correction and the Certificate of Correction filed May 21, 2002 is the correction to column 69, table 31. The correction in the Substitute Certificate of Correction is supported by the original disclosure at page 81.

The following errors resulted from PCT Article 34 Amendments that were not included in the issued U.S. Patent (6,017,927):

at column 14, lines 22, 25, 41 and 43; at Table 1, Examples 7 & 8; at
column 21, lines 14, 31, 44, and 63; at column 22, lines 16, 19, 34,
37, 53, and 56; at column 24, lines 19, 31, 44, and 50; at Table 3,
Examples 7-10; and at Table 4, Examples 11, 17 & 18.

The remainder are the result of printing errors.

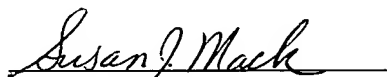
Since the errors noted are believed to be the Patent Office's responsibility, a check is not enclosed for the statutory fee of \$100.00. You are also directed and authorized to charge or

Request for Substitute Certificate of Correction
U.S. Patent No. 6,017,927

credit any difference or overpayment to Deposit Account No. 19-4880. A duplicate copy of this sheet is enclosed.

In view of the foregoing, issuance of the Certificate of Correction is respectfully requested.

Respectfully submitted,


Susan J. Mack
Registration No. 30,951

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Date: August 27, 2002

UNITED STATES PATENT AND TRADEMARK OFFICE
SUBSTITUTE CERTIFICATE OF CORRECTION

PATENT NO.: 6,017,927

DATED: January 25, 2000

INVENTOR(S): Masamitsu TSUKAMOTO, Sandeep GUPTA, Shao-Yong WU, Bai-Ping YING,
David A. PULMAN

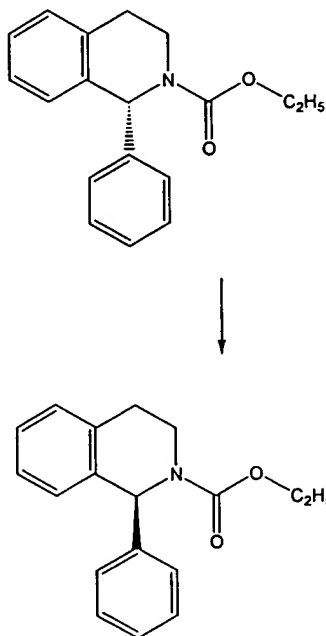
It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 14, line 22, delete "(1R)" and insert --(1S)--;
line 25, delete "(1R)" and insert --(1S)--;
line 41, delete "(1S)" and insert --(1R)--;
line 43, delete "(1S)" and insert --(1R)--.

At column 14, line 35 and line 53, delete "C" and insert --c-- (i.e. small letter).

At column 16, Table 1, Example No. 7: the chemical formula should be changed as follows.

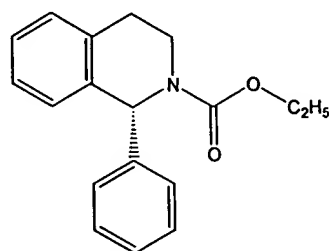
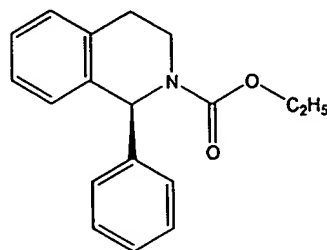
Table 1
Example 7



SUBSTITUTE CERTIFICATE OF CORRECTION

At column 17, Table 1, Example No. 8: the chemical formula should be changed as follows.

Table 1
Example 8



At column 21, line 14, delete "(1R)" and insert --(1S)--;
 line 31, delete "(1R,3'RS)" and insert --(1S,3'RS)--;
 line 44, delete "(1R)" and insert --(1S)--; and
 line 63, delete "(1R,3'R)" and insert --(1S,3'R)--.

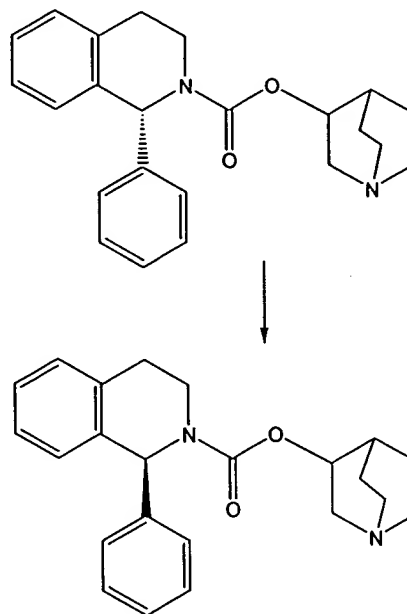
At column 22, line 16, delete "(1S,3'S)" and insert --(1R,3'S)--;
 line 19, delete "(1S)" and insert --(1R)--;
 line 34, delete "(1S,3'R)" and insert --(1R,3'R)--;
 line 37, delete "(1S)" and insert --(1R)--;
 line 53, delete "(1R,3'S)" and insert --(1S,3'S)--; and
 line 56, delete "(1R)" and insert --(1S)--.

At column 24, line 19, delete "(1R,3'R)" and insert --(1S, 3'R)--;
 line 31, delete "(1'R,3R)" and insert --(1'S,3R)--;
 line 44, delete "(1R,3'R)" and insert --(1S,3'R)--; and
 line 50, delete "(1'R,3R)" and insert --(1'S,3R)--.

SUBSTITUTE CERTIFICATE OF CORRECTION

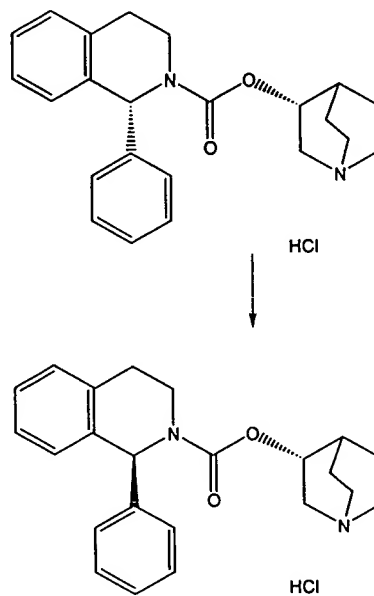
At column 26, Table 3, Example No. 7: the chemical formula should be changed as follows.

Table 3
Example 7



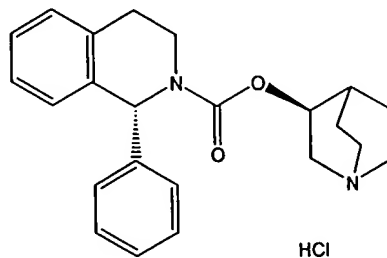
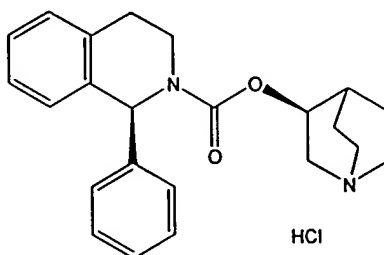
At column 26, Table 3, Example No. 8: the chemical formula should be changed as follows.

Table 3
Example 8



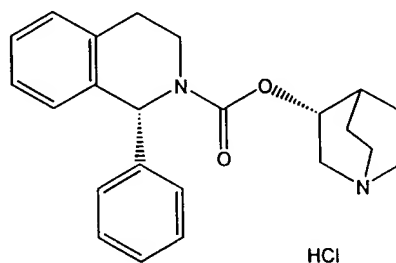
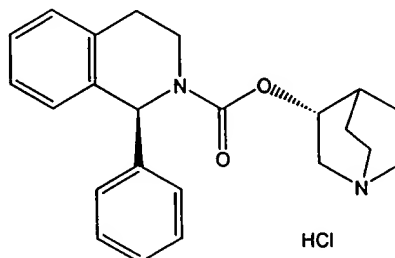
At column 26, Table 3, Example No. 9: the chemical formula should be changed as follows.

Table 3
Example 9



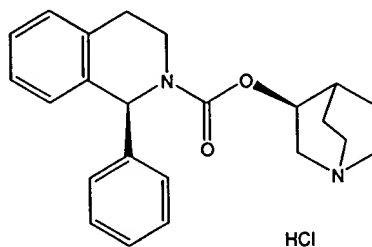
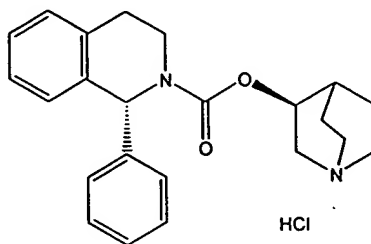
At column 26, Table 3, Example No. 10: the chemical formula should be changed as follows.

Table 3
Example 10



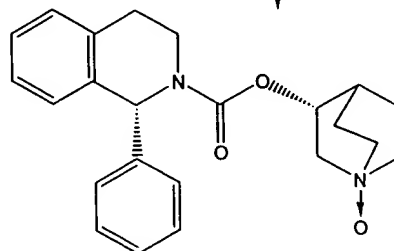
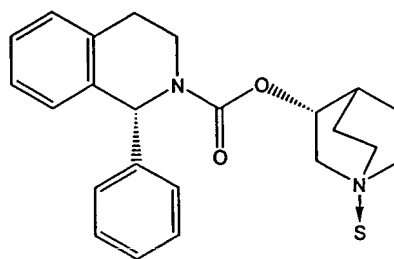
At column 27, Table 4, Example No. 11: the chemical formula should be changed as follows.

Table 4
Example 11



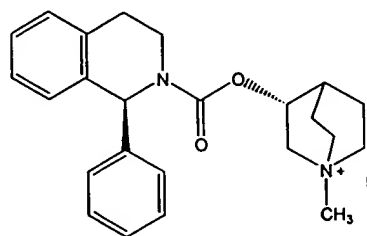
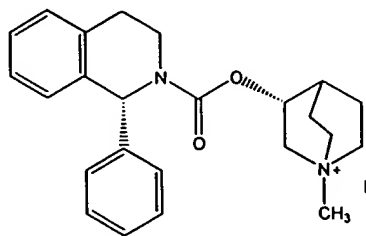
At column 28, Table 4, Example No. 17: the chemical formula should be changed as follows.

Table 4
Example 17



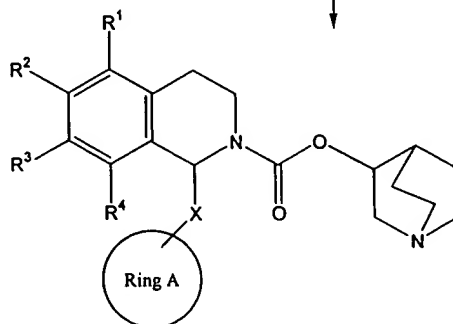
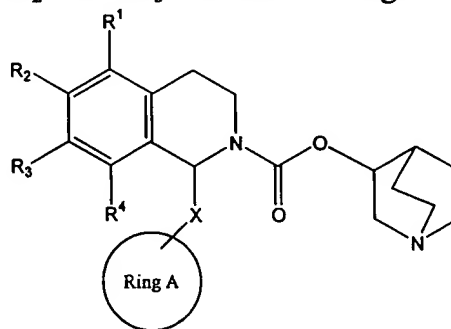
At column 28, Table 4, Example No. 18: the chemical formula should be changed as follows.

Table 4
Example 18



At columns 33 to 40, Tables 9 to 13: "R₂" and "R₃" should be changed to --R²-- and --R³--.

Table 9 -
Table 13



In column 33 to 39, delete Tables 9 to 12, and replace with the following.

TABLE 9

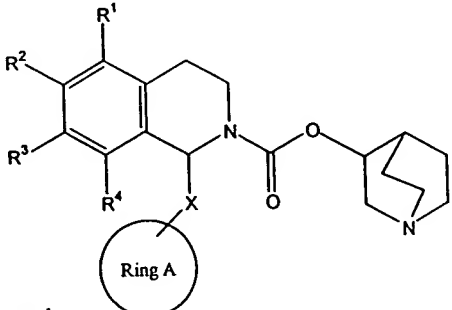
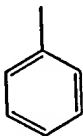
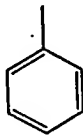
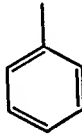
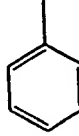
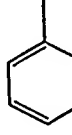
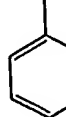
						
Compound No.	R ¹	R ²	R ³	R ⁴	X	Ring A
A-1	Cl	H	H	H	—	
A-2	H	H	Cl	H	—	
A-3	Cl	H	Cl	H	—	
A-4	F	H	H	H	—	
A-5	H	H	F	H	—	
A-6	Br	H	H	H	—	

TABLE 9-continued

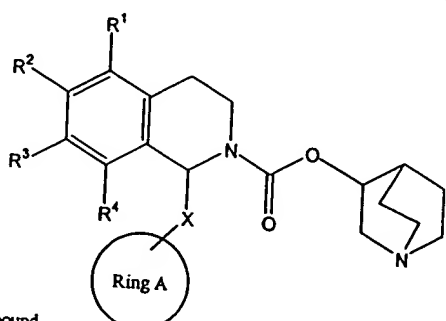
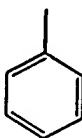
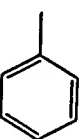
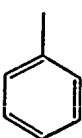
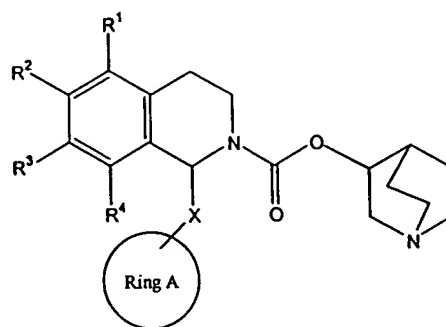
						
Compound No.	R ¹	R ²	R ³	R ⁴	X	Ring A
A-7	H	H	Br	H	—	
A-8	Cl	H	Br	H	—	
A-9	CH ₃	H	H	H	—	

TABLE 10



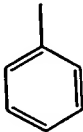
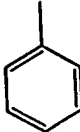
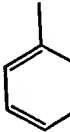
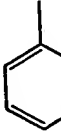
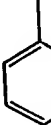
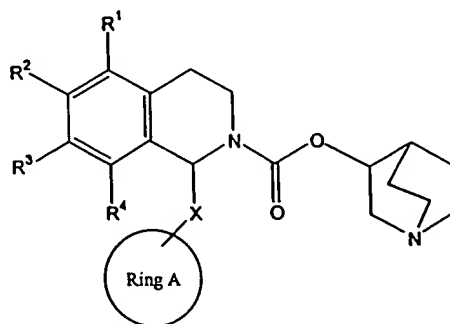
Compound No.	R ¹	R ²	R ³	R ⁴	X	Ring A
A-10	C ₂ H ₅	H	H	H	—	
A-11	n-C ₃ H ₇	H	H	H	—	
A-12	i-C ₃ H ₇	H	H	H	—	
A-13	H	CH ₃	H	H	—	
A-14	H	C ₂ H ₅	H	H	—	

TABLE 10-continued



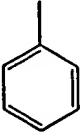
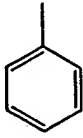
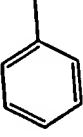
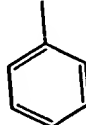
Compound No.	R ¹	R ²	R ³	R ⁴	X	Ring A
A-15	H	H	CH ₃	H	—	
A-16	H	R	C ₂ H ₅	H	—	
A-17	CH ₃	H	CH ₃	H	—	
A-18	H	CH ₃	CH ₃	H	—	

TABLE 11

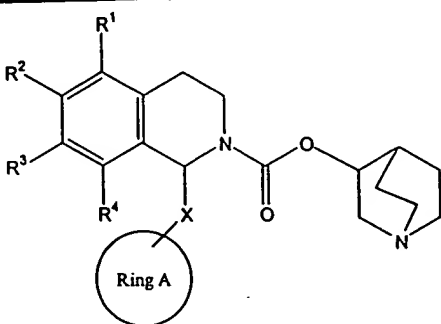
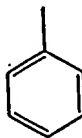
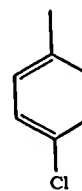
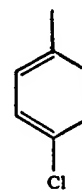
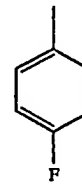
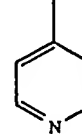
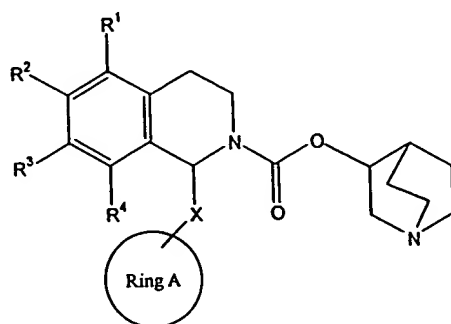
Compound No.						
	R ¹	R ²	R ³	R ⁴	X	Ring A
A-19	CH ₃	H	CH ₃	CH ₃	—	
A-20	Cl	H	H	H	—	
A-21	H	H	Cl	H	—	
A-22	H	H	Cl	H	—	
A-23	H	H	Cl	H	—	

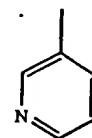
TABLE 11-continued



Compound

No.	R ¹	R ²	R ³	R ⁴	X	Ring A
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A-24	H	H	Cl	H	—	
------	---	---	----	---	---	--



A-25	H	H	Cl	H	—	
------	---	---	----	---	---	--

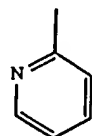


TABLE 12

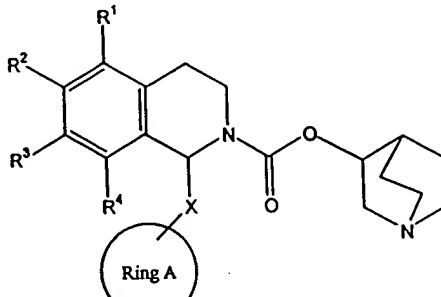
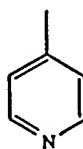
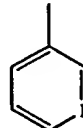
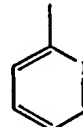
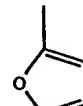
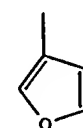
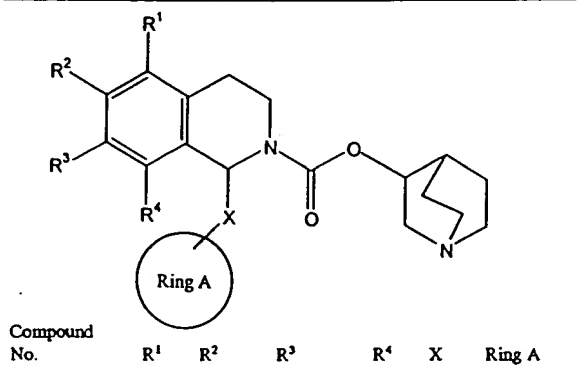
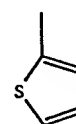
						
Compound No.	R ¹	R ²	R ³	R ⁴	X	Ring A
A-26	H	H	CH ₃	H	—	
A-27	Cl	H	H	H	—	
A-28	H	CH ₃	H	H	—	
A-29	Cl	H	H	H	—	
A-30	Cl	H	H	H	—	

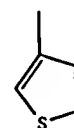
TABLE 12-continued



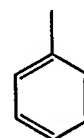
A-31 H H Cl H —



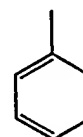
A-32 H H Cl H —



A-33 H OCH₃ OCH₃ H —



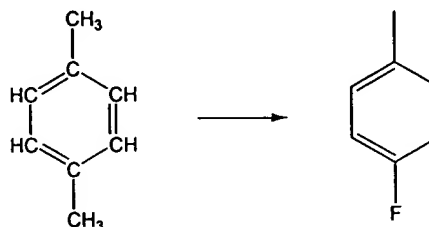
A-34 H —OCH₂O— H —



SUBSTITUTE CERTIFICATE OF CORRECTION

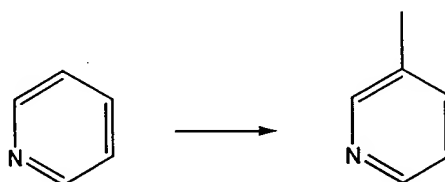
At column 53, Table 21, Compound B-77: the chemical formula should be changed as follows.

Table 21
Compound B-77



At column 62, Table 25, Compound B-134: the chemical formula should be changed as follows:

Table 25
Compound B-134



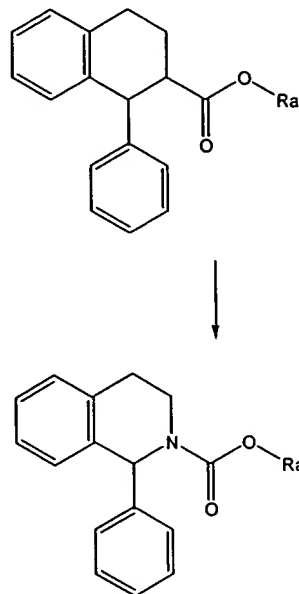
At column 63, Table 26, Compound B-145: the chemical formula should be changed as follows.

Table 26
Compound B-145



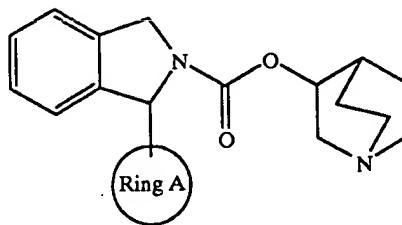
At column 65, Table 28: the chemical formula should be changed as follows.

Table 28



At column 69, Table 31: the following chemical formula is missing.

Table 31



SUBSTITUTE CERTIFICATE OF CORRECTION

At column 72, line 49 (claim 1) "cycloalrenye" should be corrected to --cycloalkenyl--.

At column 74, line 22 (claim 7): "cycloakenyl" should be corrected to --cycloalkenyl--.

At column 74, line 45 (claim 7): "akylsulfonyl" should be corrected to --alkylsulfonyl--.

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